

19971113.qrp v00_n908.qrs.971113

Date: Thu, 13 Nov 1997 19:04:08 EST
From: qrp-l@Lehigh.EDU
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: QRP-L digest 908

QRP-L Digest 908

Topics covered in this issue include:

- 1) [30682] Re: QRPP
by "Frank A. West" <ke6vhm@earthlink.net>
- 2) [30682] 2N2222 Spice on the WEB!
by Ed Loranger <we6w@qsl.net>
- 3) [30683] Re: COAX?
by "Michael A. Gipe" <mgipe@reliablemeters.com>
- 4) [30684] Paddle Const-Red Face
by Jay & Jackie <jayboy@psnw.com>
- 5) [30682] Re: bugs, keys and paddles
by w4bws@juno.com (Donald E Sanders)
- 6) [30683] Re: QRPP
by Ed Loranger <we6w@qsl.net>
- 7) [30682] Re: FOX N/T+ Monday Nov 3
by dhlaute@juno.com (David H. Lauten)
- 8) [30682] Re: QRP HAM License Plate
by w4bws@juno.com (Donald E Sanders)
- 9) [30683] Re: link tuners
by w4bws@juno.com (Donald E Sanders)
- 10) [30684] Re: Delay of AM radio signals
by w4bws@juno.com (Donald E Sanders)
- 11) [30685] Re: Comdex
by w4bws@juno.com (Donald E Sanders)
- 12) [30682] Re: Twelfth-wavelength transformer
by w4bws@juno.com (Donald E Sanders)
- 13) [30682] Re: Fox N/T+ UPGRADE
by dhlaute@juno.com (David H. Lauten)
- 14) [30683] re: Echoes from AM stations
by "Rich Dailey, KA8OKH" <ka8okh@som-uky.campus.mci.net>
- 15) [30684] Any SMD QRP xcvr kits?
by David Feldman <dgf@netcom.com>
- 16) [30685] Thanks Bubba Joe!!
by Scott Bauer <ke3nv@erols.com>
- 17) [30682] What dies with WA6IVC?
by MNHopkins@aol.com
- 18) [30683] re: paddle kit customization
by "Phil, K6LS" <k6ls@amsat.org>
- 19) [30682] Re: Fox N/T+ UPGRADE

- by Monte Stark <ku7y@sage.dri.edu>
- 20) [30683] qrp ops in SD, NE, IA
by Jerrydeen@aol.com
- 21) [30684] Re: Gotta stop messing around
by ka7you@juno.com
- 22) [30685] Re: Fox N/T+ UPGRADE
by Michael Connor <mikec@primenet.com>
- 23) [30682] Re: Comdex
by Michael Connor <mikec@primenet.com>
- 24) [30682] Aurora Info
by Dave.Ackrill@LotusXchgPG.powergen.co.uk
- 25) [30683] Re: QRP HAM License Plate
by Dave.Ackrill@LotusXchgPG.powergen.co.uk
- 26) [30684] RE: Index Labs ad
by Rogerio Gonzaga <gonzaga@med.up.pt>
- 27) [30685] For Sale
by k5zty@juno.com
- 28) [30686] Z Match tuner schematic ?
by k5zty@juno.com
- 29) [30687] Re: Fox N/T+ UPGRADE
by Paul Helbert <phelbert@rica.net>
- 30) [30688] Re: NorCal paddle delay for me :(
by Paul Helbert <phelbert@rica.net>
- 31) [30689] Re: FOX N/T+ Monday Nov 3
by Michael Maiorana <mikemo@ibm.net>
- 32) [30690] Fox Tues
by Bob Hightower <ki7mn@dancris.com>
- 33) [30691] Concerns about "Border Operations" Theme
by William McFadden <wmcfadde@oucsace.cs.ohiou.edu>
- 34) [30692] Re: Concerns about "Border Operations" Theme
by Bob Hightower <ki7mn@dancris.com>
- 35) [30692] Re: Index Labs ad
by w4bws@juno.com (Donald E Sanders)
- 36) [30693] RCA 4013
by sigcom@juno.com (Stephen M Smith)
- 37) [30694] Molasses Cookie Archeology. (definitely QRP research)
by SEAB&SHARON LYON <SSLYON@worldnet.att.net>
- 38) [30695] Re: What's at 4.1943 MHz?
by Charlie Panek <charlier@lsid.hp.com>
- 39) [30696] Re[2]: What's at 4.1943 MHz?
by Dan Tayloe-P26412 <Dan_Tayloe-P26412@email.mot.com>
- 40) [30697] Re: K7HFD oscillator
by Jim Eshleman <lujce@hooch.cc.Lehigh.EDU>
- 41) [30698] Re: Concerns about "Border Operations" Theme
by w4bws@juno.com (Donald E Sanders)
- 42) [30699] Building a 49er -- what mods should I use??
by "JakeCart" <JakeCart@ix.netcom.com>
- 43) [30700] Fun of QRP

by Bob Tellefsen-CNSE97 <Bob_Tellefsen-CNSE97@email.mot.com>

44) [30701] Re: Concerns about "Border Operations" Theme
by Joe Gervais <vole@primenet.com>

45) [30702] IF's, xtal filters & What's at 4.1943 MHz?
by Greg Weinfurtner <weinfurtner@ouvaxa.cats.ohiou.edu>

46) [30703] FS: QRP Books
by Stanley Wilson <microres@crl.com>

47) [30703] 9 Days Until the LI/NJ-QRP Doghouse Operation Sprint
by "Kevin F. Glynn" <kfglynn@prodigy.net>

48) [30703] "Border Operations" Theme for QRP to the Field
by "Kevin F. Glynn" <kfglynn@prodigy.net>

49) [30703] On the merits of Crazy Glue (from a thread about the Norcal paddle).
by Conway Yee <cyee@bidmc.harvard.edu>

50) [30704] Lookup and Long/Lat
by adams@chuck.dallas.sgi.com (Chuck Adams)

51) [30703] Re: IF's, xtal filters & What's at 4.1943 MHz?
by Glen Leinweber <leinwebe@mcmail.CIS.McMaster.CA>

52) [30704] Re: On the merits of Crazy Glue (from a thread about the Norcal paddle).
by Monte Stark <ku7y@sage.dri.edu>

53) [30705] Re: On the merits of Crazy Glue (from a thread about the Norcal paddle).
by Ed Tanton <n4xy@bellsouth.net>

54) [30705] NOVA-586
by Steven Weber <kd1jv@moose.ncia.net>

55) [30705] Norcal Paddle operation
by "Christopher Moore" <christopher.moore@snet.net>

56) [30705] W1VT/KH6 15M operation
by Zack Lau <zlau@arrl.org>

57) [30706] Re: Fox N/T+ UPGRADE
by Lynn Simons <lsimons1@ix.netcom.com>

58) [30707] ARD
by Bob Tellefsen-CNSE97 <Bob_Tellefsen-CNSE97@email.mot.com>

59) [30708] QRP/mobile ...surprised it works!
by Steve Galchutt <n0tu@webaccess.net>

60) [30709] Re: Lookup and Long/Lat
by Jim Eshleman <lujce@hooch.CC.Lehigh.EDU>

61) [30710] Re: "Border Operations" Theme for QRP to the Field
by "Larry Wise KA5T" <lewise@inetport.com>

62) [30711] Re: "Border Operations" Theme for QRP to the Field
by "Steve Hurst" <shurst@magiclink.com>

63) [30712] PROP: thanksgiving weekend
by torell@sicom.com (Kent Torell)

64) [30713] Re: Re[2]: What's at 4.1943 MHz?
by Steven Weber <kd1jv@moose.ncia.net>

65) [30714] 73 Magazine
by SNickrand@aol.com

66) [30715] Re: QRP/mobile ...surprised it works!

by Roger Whitaker <k9lj@iname.com>
67) [30716] FCC Part 15?
by Sandy W5TVW <ebjr@worldnet.att.net>
68) [30717] FS: Digitrex MPX Transceiver Kit
by rfarnworth@brigadoon.com
69) [30718] good day sunshine
by charlie <crc@io.com>
70) [30718] QRPp mailing
by "Michael Fletcher" <kl7ixi@mailcity.com>

Date: Wed, 12 Nov 1997 14:41:28 -0800
From: "Frank A. West" <ke6vhm@earthlink.net>
To: <we6w@qsl.net>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [30682] Re: QRPp
Message-ID: <199711122242.0AA22952@germany.it.earthlink.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit

OK maybe another dumb question. What's QRPp and where do you get it?

TTFN 73 Frank KE6VHM
Grid Square DM13
Woodcrest, CA
CW Forever

> From: Ed Loranger <we6w@qsl.net>
> Subject: 2N2222 Designs and QRPp
> Fall QRPp.
> Thanks Norcal!
> -Ed
> --

Date: Wed, 12 Nov 1997 23:51:53 +0000
From: Ed Loranger <we6w@qsl.net>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [30682] 2N2222 Spice on the WEB!
Message-ID: <346A4119.448B@qsl.net>
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

<http://heureka.e-technik.uni-ulm.de/Tutorium/Quiz/q502/Seite2.html>

Go there, interpret the German if you can.... Neat stuff.

-Ed.

--

72/73 de we6w qrp es cw ONLY (From non-ham to extra in one day!)

HW-8,OHR-100, Pixie2, Johnson Viking II, Drake TR-3

QRP-L#1068,ARCI#9397,Norcal#2227,ARS#275,AR#112 grid CM88ok

mailto:we6w@qsl.net <http://www.qsl.net/we6w>

Date: Wed, 12 Nov 1997 15:53:32 -0800

From: "Michael A. Gipe" <mgipe@reliablemeters.com>

To: <ARDUJENSKI@aol.com>, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>

Subject: [30683] Re: COAX?

Message-ID: <199711130053.SAA16350@multi13.netcomi.com>

MIME-Version: 1.0

Content-Type: text/plain; charset=ISO-8859-1

Content-Transfer-Encoding: 7bit

Alan --

My advice probably flies in the face of all the experts, but I believe in going overboard in the feedline department.

QRP means making the best use of what little power you generate, and that means using the most efficient tuners, feedlines, and antennas you can. Even at 7 MHz the loss in 75 feet of coax is important when you are concerned about the last milliwatt.

I use Belden 9913 or 9913F for just about everything at the home station, except where I use open wire line. Portable operation is a different story because you can't lug 100 lbs of coax to the mountains (at least I can't!)

I know that Ron Ku7Y uses hardline from the base of his tower to the top.

It's this attention to making every part of the station as efficient as possible that gives him the edge. (Well, a couple hundred years of experience don't hurt in his case, either.)

If your feedline has 1 dB loss at your operating frequency, you have just spent over 20% of your power in warming up the coax -- IF the antenna, line, and transmitter are perfectly matched so that the signal only has to travel once down the feedline. Losses increase at higher SWR. When you look at coax loss specs, make sure you are looking at numbers which apply at your frequency. Many of the specs are listed for 100 MHz use, and,

while useful for relative comparisons, may exaggerate the loss at HF.

Get yourself a copy of the Wireman catalog and Bill Pasternak's catalog. These have tons of useful information about feedline materials. (Sorry I don't have addresses and numbers handy; maybe someone else can chime in with that info.)

Mike K1MG

> From: ARDUJENSKI@aol.com
> QUESTION: For QRP HF operation and feed line runs of 50-75 feet is there any
> specific spec best?....

Date: Thu, 13 Nov 1997 04:02:56 -0800
From: Jay & Jackie <jayboy@psnw.com>
To: qrp-1@Lehigh.EDU
Subject: [30684] Paddle Const-Red Face
Message-ID: <3.0.1.32.19971113040256.006ae8b0@mail.psnw.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

While sitting in my classroom today staring at the paddle....The little voice inside said, "DUUH.... turn the arm over!" I did and everything lines up fine. Red faced: Thanks for all the help.

I was glad to hear that I have obviously under spent on tools!

Jay, W6JDB

Date: Wed, 12 Nov 1997 18:07:18 EST
From: w4bws@juno.com (Donald E Sanders)
To: k6ls@amsat.org
Cc: qrp-1@Lehigh.EDU
Subject: [30682] Re: bugs, keys and paddles
Message-ID: <19971112.191944.12079.0.W4BWS@juno.com>

On Tue, 11 Nov 1997 14:16:10 -0600 "Phil, K6LS" <k6ls@amsat.org> writes:

>BUG'S DON'T SEND BAD CODE, PEOPLE DO !

>73 de Phil, K6LS

>

>Does that mean : If we outlaw bugs that only outlaws will send bad code
>?

>

Donald E. Sanders W4BWS

694 E. Eau Gallie Blvd. Satellite Beach, Fl 32937

407-779-0222 Fax 407-779-0830

E-mail to w4bws@juno.com

My favorite QRP rig glows in the dark

>

Date: Wed, 12 Nov 1997 22:50:25 +0000

From: Ed Loranger <we6w@qsl.net>

To: ke6vhm@earthlink.net

Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>

Subject: [30683] Re: QRPp

Message-ID: <346A32B1.7CDC@qsl.net>

Mime-Version: 1.0

Content-Type: text/plain; charset=us-ascii

Content-Transfer-Encoding: 7bit

Welcome to Heaven on Earth!

Join Norcal.

Everything you need is on their webpage. Check 'em out friend.

<http://www.fix.net/norcal.html>

To proceed faster:

Send \$15 check/Money Order Payable to Jim Cates, (Not Norcal!!)

Jim Cates

3241 Eastwood Rd.

Sacramento, CA 95821 NOTE US Funds Only.

Subscriptions will start with first available issue.

Hope this helps om.

-Ed Loranger

--

72/73 de we6w qrp es cw ONLY (From non-ham to extra in one day!)

HW-8,0HR-100, Pixie2, Johnson Viking II, Drake TR-3

QRP-L#1068,ARCI#9397,Norcal#2227,ARS#275,AR#112 grid CM88ok

mailto:we6w@qsl.net <http://www.qsl.net/we6w>

Date: Wed, 12 Nov 1997 22:13:53 EST
From: dhlauten@juno.com (David H. Lauten)
To: QRP-L@Lehigh.EDU
Subject: [30682] Re: FOX N/T+ Monday Nov 3
Message-ID: <19971112.195821.8183.0.DHLAUTEN@juno.com>

Hounds,

I apologize for the long delay in my posting the results of the N/T+ Foxhunt on Monday evening November 3 (0200-0400 Nov 4 UTC).

Well, it was a case of the mouse got the fox. I have had some computer problems.

Here are the results:

Time	Call	RST - His/Mine	Name	State
0230	KB0PTE	539/229	(Jerry	MO)
0244	KE5TC	559/239	(Royce	OK)

Rig: HW-9 5 watts

Antenna: 33 ft ground mounted vertical 24 radials

Notes:

1. The band conditions were the worst I have ever worked on 40 meter N/T at night.
2. From my e-mail (pre-computer problems) my signal was getting out.
3. Thanks to all who were listening and trying to contact me.

72 de David, KF4HAW
Conway, SC 29526

Date: Wed, 12 Nov 1997 21:32:10 EST
From: w4bws@juno.com (Donald E Sanders)
To: ku7y@sage.dri.edu
Cc: qrp-l@Lehigh.EDU
Subject: [30682] Re: QRP HAM License Plate

Message-ID: <19971112.224455.11527.1.W4BWS@juno.com>

Nah. He just dated her I'll bet ! Has some dillusion about jumping into a volcano.

Donald E. Sanders W4BWS

694 E. Eau Gallie Blvd. Satellite Beach, Fl 32937

407-779-0222 Fax 407-779-0830

E-mail to w4bws@juno.com

My favorite QRP rig glows in the dark

On Tue, 11 Nov 1997 15:33:39 -0800 Monte Stark <ku7y@sage.dri.edu> writes:

>Hi Joe,

>

>Meg Ryan?? I didn't know that was your wife's name!

>

>:-)

>--

>73, Ron

>

>NRA Life-----Ex W6JX0, DL4RF, N7CRV-----SOWP #5545-M

>QRP QRCI #8829-----NorCal #330-----QRP-L #17-----ARS #49

>AR QRP #150-----DM09cg-----New Washoe City, NV

>

>

Date: Wed, 12 Nov 1997 21:32:12 EST

From: w4bws@juno.com (Donald E Sanders)

To: cebik@utkux.utcc.utk.edu

Cc: qrp-l@Lehigh.EDU

Subject: [30683] Re: link tuners

Message-ID: <19971112.224456.11527.6.W4BWS@juno.com>

I'll be looking for your info- I have my Johnson Matchbox and it's great.

Donald E. Sanders W4BWS

694 E. Eau Gallie Blvd. Satellite Beach, Fl 32937

407-779-0222 Fax 407-779-0830

E-mail to w4bws@juno.com

My favorite QRP rig glows in the dark

Date: Wed, 12 Nov 1997 21:32:12 EST

From: w4bws@juno.com (Donald E Sanders)

To: rong@slip.net
Cc: qrp-1@Lehigh.EDU
Subject: [30684] Re: Delay of AM radio signals
Message-ID: <19971112.224456.11527.5.W4BWS@juno.com>

Probably signals bouncing off several mountains and ionosphere all coming with different delays. Or it's the UFO's coming from Haleys Comet and reflectiong the signal back with the signal modulated by the slip waves.

Donald E. Sanders W4BWS
694 E. Eau Gallie Blvd. Satellite Beach, Fl 32937
407-779-0222 Fax 407-779-0830
E-mail to w4bws@juno.com
My favorite QRP rig glows in the dark

Date: Wed, 12 Nov 1997 21:32:12 EST
From: w4bws@juno.com (Donald E Sanders)
To: mikec@primenet.com
Cc: qrp-1@Lehigh.EDU
Subject: [30685] Re: Comdex
Message-ID: <19971112.224456.11527.7.W4BWS@juno.com>

On Wed, 12 Nov 1997 08:47:56 -0700 "Michael Connor" <mikec@primenet.com> writes:

> Gang,
>
> Will be in Las Vegas next week for Comdex.
>Any other QRP'ers gonna be there?
>Looks like there may be a couple of AZ ScQRPions
>going so far. Give us a holler if you're gonna be there
>and you'd like to get together one evening for
>dinner/camaraderie.:-)

>
>Mike
>NQ7K
>AZ ScQRPions
>

Yea, he has to make reservations at the strip,er, dinner club.

Donald E. Sanders W4BWS
694 E. Eau Gallie Blvd. Satellite Beach, Fl 32937
407-779-0222 Fax 407-779-0830
E-mail to w4bws@juno.com
My favorite QRP rig glows in the dark

>

Date: Wed, 12 Nov 1997 21:32:13 EST
From: w4bws@juno.com (Donald E Sanders)
To: Bob_Tellefsen-CNSE97@email.mot.com
Cc: qrp-1@Lehigh.EDU
Subject: [30682] Re: Twelfth-wavelength transformer
Message-ID: <19971112.224456.11527.8.W4BWS@juno.com>

On Wed, 12 Nov 1997 9:48:00 -0600 Bob Tellefsen-CNSE97

<Bob_Tellefsen-CNSE97@email.mot.com> writes:

During the summer there was an article in CQ, I think it was. It
>was about how to match two different impedances with approximately
>1/12 wavelength sections of coax.

> I need this info now, and can't find a copy of the magazine. Can
> anyone help me?

> Thanks, Bob N6WG

>

>Yes, we used these matching sections of 1/ 12th wavelength of 50 ohm
followed by 1/ 12 wave 75 ohm coax to match 75 ohm hard lines to 50 ohm
coax for years in commercial communications applications. Dont forget to
multiply by .68 or correct propagation factor for coax used.

Donald E. Sanders W4BWS
694 E. Eau Gallie Blvd. Satellite Beach, Fl 32937
407-779-0222 Fax 407-779-0830
E-mail to w4bws@juno.com
My favorite QRP rig glows in the dark

Date: Wed, 12 Nov 1997 22:13:53 EST
From: dh1auten@juno.com (David H. Lauten)
To: QRP-L@Lehigh.EDU
Subject: [30682] Re: Fox N/T+ UPGRADE
Message-ID: <19971112.195821.8183.1.DHLAUTEN@juno.com>

Thanks for all the help and encouragement, this past Saturday, Nov 8, I
upgraded to KF4HAW/AG.

Thanks for all who worked me during the foxhunts. I will miss serving as
a fox, but look forward to the hunt as a hound.

Since I have upgraded I will not be the N/T+ Fox on Nov 18, Dec 9, and Dec 16 as the schedule states.

72 de David, KF4HAW/AG

Date: Thu, 13 Nov 1997 03:05:16 -0500
From: "Rich Dailey, KA8OKH" <ka8okh@som-uky.campus.mci.net>
To: qrp-1@Lehigh.EDU
Subject: [30683] re: Echoes from AM stations
Message-ID: <3.0.16.19971113030439.2207523a@som-uky.campus.mci.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

While not as sexy as long delayed echoes, here is a possible explanation... you may be hearing 2 stations broadcasting the same program. With the predominance of satellite delivered programming, I think it would be unavoidable when the band goes long. One station may have a little longer delay than the other.

Just a random thought...Rich

Rich Dailey, KA8OKH <ka8okh@som-uky.campus.mci.net>
The KA8OKH / KB4NPI Web - <http://www.qsl.net/ka8okh>

Date: Wed, 12 Nov 1997 19:36:41 -0800 (PST)
From: David Feldman <dgif@netcom.com>
To: qrp-1@Lehigh.EDU
Subject: [30684] Any SMD QRP xcvr kits?
Message-ID: <199711130336.TAA01258@netcom3.netcom.com>

I'd like to try my hand at a SMD construction project now. Has Norcal published any SMD kits? I guess I have in mind something of moderate complexity like the Norcal 40A, but smaller...

73 Dave WB0GAZ dgif@netcom.com

Date: Thu, 13 Nov 1997 00:08:00 -0500
From: Scott Bauer <ke3nv@erols.com>
To: qrp-l@Lehigh.EDU
Subject: [30685] Thanks Bubba Joe!!
Message-ID: <199711130508.AAA02920@smtp3.erols.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Wow,
For 13 contacts, I have hit it Big!
It really pays to send in your logs when you operate in the Bubba sprints!!
I am the happy winner of the Bubba Summer Sprint random drawing. For my
effort, I will have a lunch paid for by Bubba Joe/AB7TT of the AZ ScQRPions!!

Thanks Bubba Joe for the Quarter Pounder!!! ;-))) See ya next Sprint!!

72, Scott

72&73 de Scott Bauer W3CV, Odenton, MD. grid FM19. Formerly KE3NV
Founder and trustee of W3DV, Woodwardville ARC, "the WARC"
A local club for the QRP enthusiast

visit my web page at <http://www.erols.com/ke3nv/>
G-QRP 8773 QRP-L 728
NORCAL 1094 DL-QRP-AG *GM*
CQC 352 QRP ARCI-8804
scQRPion 38 AR-QRP 27
 WARC QRP Club
 CW OPERATORS QRP CLUB 484, FISTS, ARRL

Date: Wed, 12 Nov 1997 23:33:58 -0500 (EST)
From: MNHopkins@aol.com
To: QRP-L@Lehigh.EDU
Cc: sinned@vnet.ibm.com, kevin.reeves@juno.com
Subject: [30682] What dies with WA6IVC?
Message-ID: <971112233357_2093497563@mrin47>

Although we only corresponded, I was saddened to learn of the death of Bruce Williams, WA6IVC, of MXM Industries and contributor to now defunct Hambrew Magazine. I have one of his early Simple SuperRX receivers mounted in an old

LaFayette VFO case to conceal the fact that I even listen to 40M, but when I pulled the reviews of his later products, the transceivers, I noted a recurring theme.

"A fun project during assembly," said Doug DeMaw, (CQ, June 1995, p 27); "Easy to build" echoed 73, (Nov. 1994 p. 32) and Radie Fun, a magazine aimed at Novices, called the RX I have "Easy to Build" too (Nov. 1991). Those are not adjectives one hears about later projects aimed at beginners. "Requires considerable experience," and "over 10 torodials" are what we here now. The back-packing progenitors of ham radio microscrospy have taken us up to the door of surface mount now, I thought as we drove home from church Sunday and saw a rare sight: a 1960 Ford Falcon, green of course.

This may have been the famous Sunday Driver out in a 30+ year compact, but the Falcon taught a lesson back when and now. Introduced just one year after Cadillac tail fins reached their apogee, the Falcon was for a while the symbol of common sense, but within a decade they had V8s and padded roofs, so maybe that is the way of commercial technology. Maybe a simple product just cannot long endure.

There is sitll K6LMN, Roger in California, who offers much the same as Bruce did and some of Kanga's offerings, (certinallly not the Hands stuff) are OK for the beginner or someone without a hair shirt, but we discourage those things.

Build a DC receiver like Ten-Tec's masterful 1056? It is a good idea, but we tell folks "DCs are no good," and NN1Gs great quote: "You can build a transceiver for just about as much trouble as a DC RX." Maybe that is so, but can a newcomer get one going, assuming they can borrow a comparison microscope to place the parts?

How many of these things ever go back packing anyway? Maybe one for every 5 or 6 abandoned boards? Hamfest types know they will often find a DX-20 or a Knight TX that was never finished, and can we assume our first timers are better than the children of the duty driven 1950s?

But maybe it does not matter. We have decided by degrees to make ourselves the haven of short call Extras. The move to output power was such a step as is how we blythly advoctate milli wattting for Novices, forgetting that Ade Weiss came to us after owning a Globe Champion. It is just like the old Navy saying: "I'm aboard Mister, pull up the ladder."

73 de ab5l, michael in dallas who was 41 years and four attempts before he got a HB RX running -- a DC RX from the '68 article with a HB diode ring.
MNHopkins@AOL.com

Date: Wed, 12 Nov 1997 22:43:20 -0600

From: "Phil, K6LS" <k6ls@amsat.org>
To: qrp-1@Lehigh.EDU
Subject: [30683] re: paddle kit customization
Message-ID: <346A8568.2EEC28F5@amsat.org>
MIME-Version: 1.0
Content-Type: multipart/alternative;
boundary="-----4F1F60519C91510488C59938"

-----4F1F60519C91510488C59938
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Not really happy with those Plexiglas paddle pieces? well, I visited the local Woodworkers' Store today and found some very nice exotic hardwoods to chose from. I picked out a very nice piece of Bocote, excellent colors and grain pattern. Cost about \$5 for a 18" x 3" x .75" thick piece. (they didn't have a smaller piece, so I guess I'll have plenty left over for other projects :) With the hand tools you'll be using to build your paddles, you really wont need any thing extra!

I cant wait to get started on this project.
This is great(kits in general) providing the opportunity to let your imagination run wild.

--

73 de Phil, K6LS

k6ls@qsl.net <or> k6ls@amsat.org
<http://www.qsl.net/k6ls>
DM79or, Arapahoe County, Colorado
ITU zone 7, CQ zone 4
QRP-L #612 NorCal #824
CQC #471 ARCI #8866

-----4F1F60519C91510488C59938
Content-Type: text/html; charset=us-ascii
Content-Transfer-Encoding: 7bit

<HTML>

Not really happy with those Plexiglas paddle pieces? well, I

visited the local Woodworkers' Store today and found some very nice

exoti<TT>c hardwoods to chose from. I picked out a very</TT>

<TT>nice piece of Bocote, excellent colors and grain</TT>

<TT>pattern. Cost about \$5 for a 18" x 3" x .75" thick</TT>

<TT>piece. (they didn't have a smaller piece, so I guess</TT>

Date: Thu, 13 Nov 1997 01:07:00 -0500 (EST)
From: Jerrydeen@aol.com
To: qrp-1@Lehigh.EDU
Subject: [30683] qrp ops in SD, NE, IA
Message-ID: <971113010700_-1139727949@mrin79>

Are there any qrp ops that are on this list that live in a 100 mile radius of Sioux City? There is a Mid-West, Dakota Division and Hamboree in South Sioux City, NE May 29 and 30 at the Marina Inn. I would like to have a qrp forum at the meeting if there is interest. Plus, maybe an informal where ideas, lies, etc. can be exchanged. If you are interested, please reply to my e-mail address to save bandwidth on the list. 73 Jerry WB0T

Date: Thu, 13 Nov 1997 01:06:59 EST
From: ka7you@juno.com
To: ve7ldh@direct.ca
Cc: qrp-1@Lehigh.EDU
Subject: [30684] Re: Gotta stop messing around
Message-ID: <19971112.221924.4375.6.KA7YOU@juno.com>

By my calculation, that requires 44 minutes to transmit 'G4JNT' and 56 minutes to transmit 'G3PLX'; not counting any space in between the two calls or any prosigns. How about a signal report--S0 bt Q5 OM --that only takes an hour and a half extra with all those 4 minute 'dashes' (three times the length of a 'dit').

If all communications went this fast we would all die before ever getting a WAS.

7 3,

Rod Johnson KA7YOU from CN97ak near Issaquah, Wa. 160M thru 1296 MHz (3456MHz still in the wings)

Date: Wed, 12 Nov 1997 23:17:06 -0700 (MST)
From: Michael Connor <mikec@primenet.com>
To: "David H. Lauten" <dhlauten@juno.com>
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [30685] Re: Fox N/T+ UPGRADE
Message-ID: <Pine.BSI.3.96.971112231309.29916A-100000@usr01.primenet.com>
MIME-Version: 1.0

Content-Type: TEXT/PLAIN; charset=US-ASCII

David,
Congratulations on your upgrade! Posts like
yours are my most favorite reading on the list.:-)

Mike
N07K
AZ ScQRPions

Date: Wed, 12 Nov 1997 23:37:49 -0700 (MST)
From: Michael Connor <mikec@primenet.com>
To: Donald E Sanders <w4bws@juno.com>
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [30682] Re: Comdex
Message-ID: <Pine.BSI.3.96.971112232139.29916B-100000@usr01.primenet.com>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

> >
> Yea, he has to make reservations at the strip,er, dinner club.

Well, we DO need more YL's in the hobby, don't we?
Wouldn't there be YL's there? Sounds like a perfect place
to recruit some new QRP 'ers to me. That would be the only
reason I would consider it of course. My heart is pure in the
spirit of QRP.:-)

Funny; I don't know where any of those places are, but
I can drive you right to AES.....

Of course, you could probably call Monte Ron up in Reno;
Them Nevada boys prolly know all about that stuff.:-)

Mike
N07K

Date: 13 Nov 1997 08:47:31 +0000
From: Dave.Ackrill@LotusXchgPG.powergen.co.uk
To: qrp-1@Lehigh.EDU
Subject: [30682] Aurora Info
Message-ID: <971113084731Z*/G=Dave/S=Ackrill/O=LotusXchgPG/PRMD=POWERGEN/
ADMD=CWMAIL/C=GB/@MHS>

Try the book "Radio Auroras" by Charlie Newton, G2FKZ, published by the
RSGB for a great deal of information and explanation about auroral
propagation and what causes it.

Aurora is usually best exploited on 6 and 2M, but I understand that 10M
is also a useful band to try. 70CM is a real challenge, due to dopler
effects, but has been used in the past.

Hope that this info. helps.

73 de Dave (G0DJA)

Date: 13 Nov 1997 08:51:16 +0000
From: Dave.Ackrill@LotusXchgPG.powergen.co.uk
To: qrp-1@Lehigh.EDU
Subject: [30683] Re: QRP HAM License Plate
Message-ID: <971113085116Z*/G=Dave/S=Ackrill/O=LotusXchgPG/PRMD=POWERGEN/
ADMD=CWMAIL/C=GB/@MHS>

Regards the following:-

>Actually my wife says I can have Meg Ryan if she can
>have Mel Gibson. She's a fair person. *8-)

Since the divorce mine don't care anymore who I want to dream about,
chance of finding someone else would be a fine thing though!

However, at least I can use QRP radio without anymore earache, and I seem
to have survived the last 6 months on my own. Maybe I should make do on
my own for a while ; -)

Cheers de Dave (G0DJA)

Date: Thu, 13 Nov 1997 10:13:15 GMT
From: Rogerio Gonzaga <gonzaga@med.up.pt>
To: rerobins@unccvm.uncc.edu
Cc: qrp-l@Lehigh.EDU
Subject: [30684] RE: Index Labs ad
Message-ID: <199711131013.KAA06825@mail.med.up.pt>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Hi Rick and gang,

About...

>I was just looking over the October 1997 issue of 73 and on page 57 is an
>ad for Index Labs. "The New QRP Plus, completely re-engineered ...".

>Didn't Index Labs go out of business this summer, sell everything to SGC
>and no longer support the QRP Plus?

>Anyone know what's going on here?

Maybe Wayne Green has ordered some peculiar model with a bioelectrifier
upgrade, a voice synthesizer saying "EME contacts are impossible in VHF
because no one can reach the Moon", and, of course, without CW facility!!

72 de Roger, CT1ETT

Prof. Rogerio A. F. Gonzaga, MD, PhD
Surgical Professor at the Faculdade de Medicina do Porto - Portugal
Ex-Honorary Surgical Registrar at the Hammersmith Hospital - London, UK
Member of the Portuguese College of Surgeons

Radio Amateur CT1ETT		QTH Loc IN51re
G-QRP Club # 8673	ISWL # CT-20574	QRP-L # 516
NorCal QRP Club # 2130	ARS # 268	REP # 840
	FISTS # 2878	
Email: gonzaga@med.up.pt	OR	rafg@esoterica.pt

Date: Thu, 13 Nov 1997 06:53:58 EST
From: k5zty@juno.com
To: qrp-1@Lehigh.EDU
Subject: [30685] For Sale
Message-ID: <19971113.114902.5311.2.k5zty@juno.com>

Heathkit HW-7 transciever. original, unmodified, works, no scratches or dents, original manual, with HWA-7-1 matching power supply. (no power supply manual)
\$70. shipped UPS groundtrac in the continental U.S.
Bill, K5ZTY
Houston,TX
k5zty@juno.com

Date: Thu, 13 Nov 1997 06:53:58 EST
From: k5zty@juno.com
To: qrp-1@Lehigh.EDU
Subject: [30686] Z Match tuner schematic ?
Message-ID: <19971113.114902.5311.1.k5zty@juno.com>

Good evening to the group,

I have been hearing good things about the Z match tuner as compared to a pi or L circuit tuner. Marshall gave the ZM1 a good review on the Low Down in September.

I have looked in all of the handbooks and antenna books that I have and I can't find a schematic or description of the circuit. Does anybody know where I can find one?

Thanks in advance for any help.

72,
Bill ,K5ZTY
k5zty@juno.com
Houston, TX

Date: Thu, 13 Nov 1997 08:03:38 -0500
From: Paul Helbert <phelbert@rica.net>
To: dhlaute@juno.com
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [30687] Re: Fox N/T+ UPGRADE

Message-ID: <346AFAAA.44B239A6@rica.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

David,
But you'll be a regular old fox next season, non?
Congratulations on the General ticket upgrade!
Paul, Wv3j

Date: Thu, 13 Nov 1997 08:31:22 -0500
From: Paul Helbert <phelbert@rica.net>
To: "Scott Rosenfeld [NF3I]" <ham@w3eax.umd.edu>
Subject: [30688] Re: NorCal paddle delay for me :(
Message-ID: <346B012A.9E600D45@rica.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Hey Scott,

I'm only offering you one of them. It has been opened for parts inventory only, and repacked. I have your address around here somewhere, but if you send it again I'll have it close at hand. Three of my kits are in the various stages of assembly/finish/use! I found it helpful to assemble one to use in place of the drawing for reference. That one is functional (ugly construction.) One has been milled and is being polished to mirror finish for hot bluing at a local gunsmith's (\$5.00). The other one I will probably paint.

I used a micrometer to adjust the bearing fit, and found 0.0015" to be too tight. There is a solution to this problem other than a new bearing, however. Just polish off a bit more brass from the top and/or bottom of the paddle arms to increase clearance.

The file edge knurling idea did not work. The magnets are too hard for that. I have never had any luck with super glue. Don't know what I've done wrong, and it's been years since I've tried the stuff. Any comments/suggestions on the stuff?

73,

Paul, Wv3j

Date: Thu, 13 Nov 1997 08:53:02 -0500
From: Michael Maiorana <mikemo@ibm.net>
To: dhlauten@juno.com
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [30689] Re: FOX N/T+ Monday Nov 3
Message-ID: <346B063E.6447@ibm.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

David H. Lauten wrote:

>
> Hounds,
>
> I apologize for the long delay in my posting the results of the N/T+
> Foxhunt on Monday evening November 3 (0200-0400 Nov 4 UTC).

Dave,
I didn't hear a peep out of you. But, like last time, I think you were
bouncing over my head.

I'll try again!
72 de kf4trd

--
If it's tourist season, why can't we shoot them?

Date: Thu, 13 Nov 1997 07:45:24 -0700 (MST)
From: Bob Hightower <ki7mn@dancris.com>
To: qrp-1@Lehigh.EDU
Cc: adams@chuck.dallas.sgi.com
Subject: [30690] Fox Tues
Message-ID: <199711131445.HAA04810@dancris.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

It looks like I've gotten all the corrections OK. Here is the final list:

UTC #/Pwr	Call		Sent	Recvd	State	Name
0003	N7XJW	559	599	AZ	BERTIE	1259
0003	K50I	559	559	NM	TIM	73
0004	W6BAB	559	559	CA	HARVEY	5W
0006	N7VE	559	559	AZ	DAN	5W
0007	NQ7X		559		599	AZ
343						FLOYD
0008	N7KT		559		579	AZ
62						ROGER
0009	W7QQQ	559	599	AZ	JACK	1210
0040	NQ7K	559	599	AZ	MIKE	47
0012	W9UQV	559	599	AZ	MIKE	413
0014	KK6MC/5	559	599	NM	JIM	411
0016	WW7Y	559	559	UT	STEVE	94
0019	W5VB0	559	599	AZ	BRIAN	404
0020	KF6CTA	559	599	CA	DICK	951
0022	KU7Y	559	449	NV	RON	17
0023	W0CH	559	559	MO	DAVE	618
0025	N5LU	559	559	OK	BILL	5W
0028	K10J	559	559	TX	OJ	732
0031	K4UP	559	599	OK	GLEN	21
0032	W6SU	559	559	CA	JOHN	48
0033	K5ID	559	559	AR	KEN	652
0036	N5JI	559	559	TX	DICK	5W
0038	N6MM	559	579	CA	HARVEY	318
0039	N6WG	559	559	CA	BOB	26
0041	W7SSM	559	599	CA	JOHN	1048
0042	AB7MY	559	599	AZ	GARY	571
0043	W6ZH	559	599	CA	PETE	257
0044	WD4MSM	559	599	IN	BARRY	642
0048	K06KA	559	569	CA	ROB	176
0050	W5SSN	559	559	TX	HENRY	178
0053	N0HJ	559	599	CO	JOHN	219
0056	W03B	559	569	CA	BOB	195
0058	WE6W	559	569	CA	ED	1068
0059	AB7TK	559	449	ID	RANDY	102
0101	AF9T	559	599	MN	JOHN	1022
0103	K1MG	559	579	CA	MIKE	614
0105	KJ2V	559	569	AL	LYNN	1224
0108	W5TFB	559	589	TX	JACK	282
0110	N6XU		559		579	CA
66						STAN
0112	W5FN	559	599	TX	TIM	586
0114	N2G0	559	449	NY	JIM	381
0118	K50N	559	599	NM	GARY	770

0121	AB5UA	559	559	OK	CLIF
478					
0122	W3PM 559	559 AL	GENE 3W		
0125	VE6NJK	559 599	AB NIELS 1239		
0128	WA6NAE	559 599	CA DEWIGHT 5W		
0130	K6VNX	559	579	CA	ARLEN
5W					
0134	AF5Z 559	599 TX	MOSES 984		
0138	N0UR 559	559 MN	JIM 799		
0141	AB7TT	559 599	AZ JOE 4W		
0144	K5JHP	559 449	TX BILL 825		
0147	N0TFI	559 559	CO JESS 1232		
0150	K5LE	559	559	CA	LOUIS
534					
0152	K5W0	559	449	TX	BOB
273					
0154	AE4IC	559 449	NC BOB 54		
0156	N7GS 559	449 MT	MALCOM 815		
0159	KA80KH	559 599	KY RICH 933		

Thanks again to all of you for coming back to me. It was fun.

73,

Bob KI7MN (ki7mn@dancris.com) Chandler, AZ

Grid DM43bi Lat 33.334500 Long -111.87260

NorCal #1221 ARCI #8918 Qrp-1 #271 CQC #274 AK QRP #30 ARRL

<http://www.dancris.com/~ki7mn>

WIMPS: QSO's=19 30=19 17=0 12=0 States=15/0/0 DX 0/0/0 QSL's=6

Date: Thu, 13 Nov 1997 09:48:42 -0500 (EST)

From: William McFadden <wmcfadde@oucsace.cs.ohiou.edu>

To: qrp-1@Lehigh.EDU (qrp-1), vole@primenet.com

Subject: [30691] Concerns about "Border Operations" Theme

Message-ID: <199711131448.JAA20719@oucsace.cs.ohiou.edu>

MIME-Version: 1.0

Content-Type: text/plain; charset=US-ASCII

Content-Transfer-Encoding: 7bit

Good morning, fellow QRPers.

I have been following the discussion about the theme of the upcoming QRP to the Field exercise with great interest.

Some of you may remember that I recently posted the

question about how to operate at the OH/WV border,
which is the Ohio River.

After reading the list I have come to the conclusion that
this theme, "Border Operations", is not a good idea, and
that this theme will cause us to approach
the "slippery slope" toward unethical operating practices.

Like many of you, I am pursuing the Worked All States
award, both that offered by the ARRL and that offered by
the QRP ARCI. I have chosen to earn mine solely with
two-way QRP QSOs. Thus, I look forward to the QRP
contests and value them as a resource to aid me in my
quest toward WAS 2x QRP. In addition, I greatly enjoy
operating outdoors, and I look forward to each and every
outdoor QRP event.

However, several of the recent e-mails discussing the
theme "Border Operations" have made me wonder
whether any of the stations I work during the
upcoming QRPttF can be counted toward WAS.
(And as written up on the NorCal web site, the
theme is to provide QSOs that apply toward ARRL
and ARCI WAS.)

Here are some examples of the e-mails that have
caused this concern. I have tried not to make
mistakes with the attributions, and I apologize
in advance if I have done so. I do not mean any
disrespect to these authors; I simply mean
to point out concerns I have with the views expressed.

(From Jim, KW3U)

> I agree that a little clarification is needed. There are
> probably a lot of different scenarios; rivers, mountain ranges;
> private property, etc.
> My own situation is my town (Matamoras, Pa-pike county) is
> exactly on border of NY, NJ, Pa, but the marker stone is on a
> small outcropping from a private cemetery on NJ.
> I would think IMHO that simply operating from one of the towns
> on the border would be OK. I'll probably be in our town park on
> the Delaware river.

I agree that clarification of the rules is needed. However, I
disagree that operations from anywhere within a town on the
border should be OK. Is the station in NY or not? Is the station
within NJ or not?

In order to be applied toward WAS, the QSO needs to be without a doubt with a station within the state in question. The only way I can see this being the case here is if the station and/or antenna were physically at the monument in the cemetery. Certainly, if the station were anywhere else in Matamoras PA, the QSO could not provide NY or NJ for WAS. If Jim chooses to operate from some site in Matamoras other than at the marker stone in the cemetery--and he certainly can choose to do so--he should only give reports that indicate he is in PA, and not say that he is in NY or NJ.

(From Jay, WA5WHN)

> K5FO, Chuck - actually, if I understand my geography correctly (I was
>educated in New Mexico), we could work all states with less than 23
>contacts. Remember, the ARRL does not recognize this, but since K5FO is
>the Awards Chairman for QRP-ARCI, I am sure Chuck could be bribed, ah er,
>encouraged to come up with a QRP-WAS certificate, for this event. Chuck-
>2 - 50 lbs. bags of green chili enough ? Think about this Chuck, with
>less than 28 contacts, You could work all Canadian provinces & WAS too.

Actually, according to the ARRL web page, there is a QRP endorsement for WAS, and the QRP-ARCI already has a QRP WAS certificate. (See <http://www.arrl.org/awards/#was> and <http://rtpnet.org/~qrp/arciawds.html>)

What will happen when QRPers start submitting applications to the ARRL with QSL cards for QSOs with "Border Operations" stations? Will the League see these QSL cards as proof of contact with a station within said state(s), or will the League see these cards a blatant attempt to cheat to earn the WAS certificate? If they see it as the latter, the reputation of QRPers as a group will suffer a mighty big blow. Remember, this event--the QRP to the Field--is an organized operating event of, by, and for QRPers, and any and all operations within it reflect upon the entire event and upon QRPers in general.

In my opinion--and I haven't consulted the ARRL on this--the only multi-state operations that could possibly count as multiple states for WAS would be those that clearly and without a doubt take place precisely on a border. This would require that operations occur at a recognized monument or marker, since even a GPS receiver won't have adequate resolution to precisely locate a border where there's no marker. However, the ARRL might not accept even these stations as being in more than one state: for the annual VHF QSO Parties, the rules specify "A station located precisely on a dividing line between grid squares must select only one as the location for exchange purposes. A different grid-square multiplier cannot be given out without moving

the complete station (including antennas) at least 100 meters."
(See <http://www.arrl.org/contests/announcements/jan-vhf.html>)

As for the QRP ARCI WAS award, I for one would certainly not want to see it watered down to a "Worked Stations Near Each State" award. When I am finally able to submit cards for fifty 2x QRP QSOs to the ARCI I want to feel pride in my accomplishment.

It is my recommendation that before the QRP to the Field 1998, happens someone at the sponsoring organization, NorCal, should contact both the ARRL and the QRP ARCI and get precise guidelines on which, if any, of the "Border Stations" can be counted as more than one state for purposes of WAS. The rules of the QRPttF, as distributed on QRP-L and as published on the NorCal web page, should indicate quite clearly whether QSOs with "Border Operations" stations can apply toward WAS, and should provide station location guidance so QSOs with "Border Operations" stations can count toward WAS.

Unless such guidance is made available, when I operate QRPttF98--and I still intend to do so--it will not be from a "Border", and I will be giving reports only from one state, probably OH. Unless guidance is given, I will turn in for WAS only those cards resulting from QSOs giving reports only from one state.

I thank you for your time and your consideration.

72,

Eric

--

W. Eric McFadden WD8RIF Athens OH
wd8rif@qsl.net
<http://www.qsl.net/wd8rif>

Date: Thu, 13 Nov 1997 08:25:09 -0700 (MST)
From: Bob Hightower <ki7mn@dancris.com>
To: wmcfadde@oucsace.cs.ohiou.edu
Cc: qrp-l@Lehigh.EDU
Subject: [30692] Re: Concerns about "Border Operations" Theme
Message-ID: <199711131525.IAA08064@dancris.com>
Mime-Version: 1.0

Content-Type: text/plain; charset="us-ascii"

At 09:48 AM 11/13/97 -0500, you wrote:

>In my opinion--and I haven't consulted the ARRL on this--the
>only multi-state operations that could possibly count as multiple states
>for WAS would be those that clearly and without a doubt take
>place precisely on a border. This would require that operations occur
>at a recognized monument or marker, since even a GPS receiver won't
>have adequate resolution to precisely locate a border where there's
>no marker. However, the ARRL might not accept even these
>stations as being in more than one state: for the annual VHF QSO Parties,
>the rules specify "A station located precisely on a dividing line between
>grid squares must select only one as the location for exchange purposes.
>A different grid-square multiplier cannot be given out without moving
>the complete station (including antennas) at least 100 meters."
>(See <http://www.arrl.org/contests/announcements/jan-vhf.html>)

>It is my recommendation that before the QRP to the Field 1998, happens
>someone at the sponsoring organization, NorCal, should contact both the
>ARRL and the QRP ARCI and get precise guidelines on which, if any, of the
>"Border Stations" can be counted as more than one state for purposes of
>WAS. The rules of the QRPttF, as distributed on QRP-L and as
>published on the NorCal web page, should indicate quite clearly
>whether QSOs with "Border Operations" stations can apply toward WAS,
>and should provide station location guidance so QSOs with "Border
>Operations" stations can count toward WAS.

Actually, the first paragraph seems to clearly state the ARRL
position....you must select only one state as the location for exchange
purposes.

Maybe we should have a list of those stations operating on the border,
including the states forming the border, and have an award for 'worked all
borders' :^)

If I want to go for the ARRL WAS award, I'll follow their rules. If I want
the ARCI award, I'll follow theirs. Doesn't seem to present any problem that
way.

73,

Bob KI7MN (ki7mn@dancris.com) Chandler, AZ

Grid DM43bi Lat 33.334500 Long -111.87260

NorCal #1221 ARCI #8918 Qrp-l #271 CQC #274 AK QRP #30 ARRL

<http://www.dancris.com/~ki7mn>

WIMPS: QSO's=19 30=19 17=0 12=0 States=15/0/0 DX 0/0/0 QSL's=6

Date: Thu, 13 Nov 1997 10:45:23 EST
From: w4bws@juno.com (Donald E Sanders)
To: rerobins@unccvm.uncc.edu
Cc: qrp-1@Lehigh.EDU
Subject: [30692] Re: Index Labs ad
Message-ID: <19971113.115719.5111.0.W4BWS@juno.com>

Ad copy has to be in to ad depts 3 to 4 months in advance of intended publication to assure it will be in issue, usually paid in advanced.

Donald E. Sanders W4BWS

694 E. Eau Gallie Blvd. Satellite Beach, Fl 32937

407-779-0222 Fax 407-779-0830

E-mail to w4bws@juno.com

My favorite QRP rig glows in the dark

On Wed, 12 Nov 1997 15:37:44 -0500 rerobins@unccvm.uncc.edu (Rick Robinson) writes:

>I was just looking over the October 1997 issue of 73 and on page 57 is
>an

>ad for Index Labs. "The New QRP Plus, completely re-engineered ...".

>

>Didn't Index Labs go out of business this summer, sell everything to

>SGC

>and no longer support the QRP Plus?

>

>Anyone know what's going on here?

>

>72,

>

>Rick kf4ar

>

>

>

>

Date: Thu, 13 Nov 1997 10:58:33 EST
From: sigcom@juno.com (Stephen M Smith)
To: qrp-1@Lehigh.EDU
Subject: [30693] RCA 4013
Message-ID: <19971113.080149.13815.3.sigcom@juno.com>

Hope this hasn't been posted before, but here goes:

BTW, Dan has the 4013 in his sale cat. for 10/\$9.00 (Usual disclaimer applies).

```
> At 02:13 AM 11/13/97 +0000, Fran wrote:
>>I can catagorically deny that I have never stoped to to ask -or think of
>>what happened to the rest of the mole when one makes a molassas cookies.
>>Please tell.... What happens to the remainder of the mole?
>>
>,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
>o.k., Fran... this could start a long and contentious physteritation....
>BUT -here goes:
>
>In the early 2nd century, the "Twelve-And-One-Half-ed Apostle" Lyle and his
>band of dozens of dazed disciples escaped in panic to the desert of
>Phenortnia to avoid the scourge of the Antonnine Plague of AD 165.
>Believing that the plague was a consequence of "unholy facination with
>the underthings" Lyle forbade all use, reference to or pictorial
>representantion of... sub-terrainian entities under pain of split ends.
>That, of course, flew in the face of the traditional and ubiquitous staple,
```

>Mole Cookies, known at the time as Talpidae Torte, or just plain TaTors.
>(ex.: "-pass the TaTors, Mom!")
>
>Clearly an accommodation was in order or Lyle's career path was in
>Deep Do-Do. ("D-Qubed", or, "D-Q'd") He sent forth his equivalent of
>the Secret Service, (SEC SER) to determine the very Least Objectionable
>Recipie for the Indespensible Staple. (LORIS) The LORIS Task Force Files,
>(LOTAF OFI) survive in Rome to this day, totally immune from the Freedom Of
>Information Act, (FROFINAC). But this much has been gleaned from fragments
>of Lylian cave writings discovered and recorded by Burton, et al(1) in 1896,
>-before being subsumed in the architecture of a Dunkin Doughnuts at #6-U,
>Jamal Street, Sumer City, 06606:
>
>-that....: "the indespicable essence of Talpidae Torte was due in part
> or whole, to the hole of the mole." (confirmed in LOTAF OFI files)
>
>Thus: a.) Lyle's career was (seemingly, at least) assured, and,
> b.) from thence to now the recipie has retained the mole-ass of the
> molasses cookie to the exclusion of all else of the mole.
>
>The haunting question remains unanswered, however: (who started this?)
> "WHAT HAPPENS TO THE REST OF THE MOLE WHEN ONE MAKES MOLASSES COOKIES?"
>and equally perplexing:
> "WHAT EVER HAPPENED TO SAINT TWELVE&1/2 LYLE?"
>
>(1) - Bibliography avail. on req.
>
>
>=S=
>
Seab Lyon, AA1MY, Bethel, CT, USA
FN-31-HJ; ARRL; QCWA; ACRI#9253;
QRP-L#574; NEQRP#511; Pres., C.A.R.A.:
<http://www.danbury.org/org/cara/>

Date: Thu, 13 Nov 97 8:32:15 PST
From: Charlie Panek <charlier@lsid.hp.com>
To: qrp-l@Lehigh.EDU
Cc: Dan_Tayloe-P26412@email.mot.com
Subject: [30695] Re: What's at 4.1943 MHz?
Message-ID: <199711131632.AA081048735@labcrp.lsid.hp.com>

N7VE wrote:

>Does anyone know who might be using 4.1943 MHz? Any high power users?

It's allocated to Maritime Mobile (Ship to Shore) CW stations.
It's a working frequency as opposed to a calling freq. I would
imagine it should be relatively quiet most of the time.

73,
Charlie

--

Charlie Panek KX7L Hewlett Packard Company
mailto:charlier@lsid.hp.com Lake Stevens Division
Everett, Washington

Date: Thu, 13 Nov 1997 8:47:00 -0600
From: Dan Tayloe-P26412 <Dan_Tayloe-P26412@email.mot.com>
To: w6toy@pop.erols.com, qrp-1@Lehigh.EDU
Subject: [30696] Re[2]: What's at 4.1943 MHz?
Message-ID: <M435830.008.1deu8.1.971113155212Z.CC-MAIL*/OU=SATCG/OU=AZBH/PRMD=MOT/
ADMD=MOT/C=US/@MHS>

>Regardless of what's there, put the IF in a shielded compartment.
>That will help some. Also, consider using an IF above your
>chosen operating frequency. That way you'll benefit from the
>added rejection of the TX output filter. And, make liberal use of
>bandpass filters in the receiver front end and the mixer output.
>Why would you want to use an IF so low in frequency? (Maybe you
>have several thousand crystals?

I have found that the problem is not so much direct radiation into the
IF compartment, but rather bleed-through from the front end mixer.
Given the power level these guys operate at, and the signal
sensitivity the receiver should have, it is very difficult to get
enough isolation to get rid of the bleed through.

I am trying to use lower frequency crystals because they tend to be
more selective than higher frequency ones. Consider that Q generally
tends to decrease with frequency. Compound that with the fact that
even at the same Q, a given Q at a high frequency is broader than the
same Q at a lower frequency.

I experimented once with a 10 MHz IF once, and was disappointed in the
selectivity I got, at least compared to the 4 MHz IFs that I have
dealt with before. I could not get decent selectivity out of the
filter without excessive loss. Not to mention the fact that WWV is

at 10 MHz.

The reason for 4.1943 or even 4.096 MHz is that the resulting birdies are above the upper end of the novice band (7.168 MHz for 4.096, 7.34 MHz for 4.196 MHz).

Oh well... I was told that there is a Spanish station on 4.194. Rats. It must be in the middle of another SW broadcast band. I suppose the same goes for 4.096 MHz as well.

It sure would be nice to know what portions of the HF spectrum doesn't have much use!

- Dan, N7VE

Date: Thu, 13 Nov 1997 11:53:32 -0500 (EST)
From: Jim Eshleman <lujce@hooch.cc.Lehigh.EDU>
To: qrp-1@Lehigh.EDU
Subject: [30697] Re: K7HFD oscillator
Message-ID: <97Nov13.115339-0500_est.10421-22436+2@hooch.cc.Lehigh.EDU>
Content-Type: text

FYI-

W7ZOI on the K7HFD oscillator:

> Hi Jim,
>
> Many thanks for the kind words. Well, there really isn't much history
> on the oscillator that Gumm did. He was, as I recall, reworking a
> Collins R390 that he had picked up and wanted a cleaner oscillator in
> one of the slots. He built the one that is shown in SSD p 126 at 10 MHz
> simply because he had several crystal filters at that frequency that
> could be used for direct phase noise measurement. The method he used is
> given in the SSD discussion. He has found it quite gratifying that the
> circuit has been so well received and has held up well for so long. In
> reality, there are many circuits that will provide similar phase noise
> performance.
>
> Good luck in the contest.
>
> 73, Wes
> W7ZOI

Jim N3VXI

Date: Thu, 13 Nov 1997 11:48:46 EST
From: w4bws@juno.com (Donald E Sanders)
To: ki7mn@dancris.com
Cc: qrp-1@Lehigh.EDU
Subject: [30698] Re: Concerns about "Border Operations" Theme
Message-ID: <19971113.130100.5111.4.W4BWS@juno.com>

As I see it the only way to have your cake and eat it too with boarder operations is to set a table on the boarder, slide the rig from one end to the other and set up a SLV antenna in each state and switch feed lines. Then make multiplecontacts. OR- dual stations with separate contacts.

Donald E. Sanders W4BWS
694 E. Eau Gallie Blvd. Satellite Beach, Fl 32937
407-779-0222 Fax 407-779-0830
E-mail to w4bws@juno.com
My favorite QRP rig glows in the dark

Date: Thu, 13 Nov 1997 11:31:39 -0500
From: "JakeCart" <JakeCart@ix.netcom.com>
To: <qrp-1@Lehigh.EDU>
Subject: [30699] Building a 49er -- what mods should I use??
Message-ID: <199711131657.KAA13774@dfw-ix1.ix.netcom.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit

Hello to the group:

I was about to jump into my 49er project, but decided to download and print out all the mods shown on the NorCal page.

I will definitely do the choke mod -- now that I know the magnet wire I bought from Dan's is enamel wire (thanks). But I'm not sure about the other mods -- looks like alot of bypass capacitors (I think I counted 12 .1uF caps in the mods listed).

My questions are:

1. What mods did you do to your 49er?

2. How did it go? (Was the mod difficult to do? easy? Are there any pitfalls I need to avoid if I do that mod?)

3. Was the mod effective? (Did the mod improve your 49er and would you recommend that I do it?)

All responses will be appreciated. I will compile the responses and provide a copy to anyone interested.

I also want to thank the group for making my first year as a ham an enjoyable and productive one. You all have helped me right from the start with answers to my questions about selecting my first rig and constructing my first antenna; and that help has continued with your answers to my homebrew questions -- a new aspect of the hobby for me.

Thanks,

Jake [N4UY]

QRP-L #821, G-QRP #9557, AK/QRP #175, CQrp #46, NJ-QRP #74, NorCal#1457,
ARCI #9392, FISTS #3450
WAS W/C 49/46 need DE
WAS QRP W/C 44/42

Date: Thu, 13 Nov 1997 8:58:00 -0600
From: Bob Tellefsen-CNSE97 <Bob_Tellefsen-CNSE97@email.mot.com>
To: qrp-l@Lehigh.EDU
Subject: [30700] Fun of QRP
Message-ID: <M2229317.002.1h1g3.1.971113171031Z.CC-MAIL*/OU=LMPCC4/OU=ILBB/
PRMD=MOT/ADMD=MOT/C=US/@MHS>

Last night I worked a QRO station in MD, and later another QRO station in TX. When I signed with the TX station, I heard the MD station call him. The MD station said to the TX station, "I heard you working N6WG. It's amazing what Bob is doing with only 5 watts." Got a great chuckle out of that. We are slowly chipping away at the rest of the world.

QRP Forever!

72, Bob N6WG and 01' Kenwood

Date: Thu, 13 Nov 1997 10:17:31 -0700 (MST)
From: Joe Gervais <vole@primenet.com>
To: wmcfadde@oucsace.cs.ohiou.edu (William McFadden)
Cc: qrp-1@Lehigh.EDU
Subject: [30701] Re: Concerns about "Border Operations" Theme
Message-ID: <199711131717.KAA29873@usr03.primenet.com>
Content-Type: text

Howdy Eric (and Folks),

Eric (WD8RIF) wrote:

>
> After reading the list I have come to the conclusion that
> this theme, "Border Operations", is not a good idea, and
> that this theme will cause us to approach the "slippery slope"
> toward unethical operating practices.
> [...]
> However, several of the recent e-mails discussing the
> theme "Border Operations" have made me wonder whether _any_
> of the stations I work during the upcoming QRPttF can be
> counted toward WAS. (And as written up on the NorCal web
> site, the theme is to provide QSOs that apply toward ARRL
> and ARCI WAS.)

Your concerns are understandable, but the solution is easy.
Follow me here. Border operations on state/province lines
will send one RST/SPC exchange for each state and/or province
they are straddling. Therefore, any station operating under
the "SPC border rules" will be *very* easy to identify. You
can simply choose not to use those contacts for your chosen
WAS award if you feel it violates your goals.

So there's no way for you to be "tricked", duped or confused
as to whether or not the station meets your personal award
needs. If they send more than one RST/SPC during the exchange,
you know what's up.

As far as clarification of how close to a border one must
be, clearly the best option is to be right there, give or
take a few yards. But I'm betting that the "frisbee rule"
will be invoked - if you're within frisbee-tossing range
(say 100 yards - much better than the "baseball rule" :-))
of the actual border, that's close enough.

Bear in mind we have five months left before the event, so
the details are still being worked out. Plenty of time.

Also, the theme is "Borders" - not "State Borders Only". We're looking for interesting places. That includes state lines, DX borders, park boundaries, and anything else you can think of. Hey, what about the Continental Divide or other old frontier borders? Or maybe find the border between the legendary feudin' Hatfields and McCoys? With a good writeup, you could get alot of mileage out of climate borders - operate from treeline on some big mountain, or a beach.

The whole point is to get out in the field, exchange RF with fellow QRPers, and have a great time.

If this doesn't adequately address your concerns, please let me know.

Five months to go folks. Details will follow.

Cheers de AB7TT,

-Joe, vole@primenet.com, AZ ScQRPions (Phoenix)

''Fraid nobody around here, understands my potato;
Think I'm only a Spudboy, looking for a real tomato." -DEVO

Date: Thu, 13 Nov 1997 12:21:15 -0400
From: Greg Weinfurtner <weinfurtner@ouvaxa.cats.ohiou.edu>
To: qrp-l@Lehigh.EDU
Subject: [30702] IF's, xtal filters & What's at 4.1943 MHz?
Message-ID: <v03110701b090d76f1c33@[132.235.72.186]>
MIME-version: 1.0
Content-type: text/plain; charset="us-ascii"
Content-transfer-encoding: 7BIT

Dan,

I built a xcvr using 5 mhz microprocessor crystals as the ssb and cw filters. I too, was worried about 5 mhz WWV interfering with the IF. After I built the filters, I threw worry out the window. The passband was somewhat lower than the 5 mhz listed on the crystals. 4.998mhz or so. I used the crystal ladder filter design that was in QST magazine, maybe 10 years ago. Works great.

I agree with the previous post that bleed-thru from the front end is the most probable source of IF interference. Shield the front end well,

or use a trap (series resonant at the IF) tuned for the IF at the front-end of the receiver for insurance.

Good luck and let us know how you make out!

73 de NS80

Date: Thu, 13 Nov 1997 09:20:47 -0800 (PST)
From: Stanley Wilson <microres@crl.com>
To: qrp-l@Lehigh.EDU
Subject: [30703] FS: QRP Books
Message-ID: <Pine.SUN.3.91.971113091814.7166A-100000@crl8.crl.com>
Mime-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

For Sale One Set of Richard Arland's Low Power Communications Books.

Price: \$35 shipped (USA)

Low Power Communications Vol 1. QRP Basics
Vol 2. Advanced QRP Operating
Vol 3. QRP Hardware

Books are all in mint condition.

de Stan AK0B

Date: Thu, 13 Nov 1997 12:30:49 -0500
From: "Kevin F. Glynn" <kfglynn@prodigy.net>
To: "QRP-L" <qrp-l@Lehigh.EDU>, "NJ-QRP" <njqrp@njqrp.org>, "LIQRP" <liqrp@waterw.com>
Subject: [30703] 9 Days Until the LI/NJ-QRP Doghouse Operation Sprint
Message-ID: <199711131730.MAA35116@mail1y-int.prodigy.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit

Hi gang,

Only 9 days until the LI/NJ-QRP Doghouse Operation Sprint (LI/NJDOS). All you contesters, I know there are quite a few on this list, join us. The info follows below.

This is the first contest sponsored jointly by the LIQRP and NJ-QRP Clubs, and we would like your support. Please let us know if you can make it on November 22nd for the Sprint.

Announcing the LI/NJ-QRP Doghouse Operation Sprint (LI/NJDOS), sponsored jointly by the Long Island QRP & New Jersey QRP clubs. Here's a sprint that you can work and still manage to stay out of the doghouse on the Saturday afternoon prior to Thanksgiving. You can play radio, and have plenty of time to mow the lawn, clean the guest room; do whatever it takes to get the house ready for Thanksgiving.

Date and Time:

Sat., November 22, 1997 1800-2200 UTC

The contest is a single-op QRP CW sprint. Try to operate as many ops in as many area codes as possible, with extra QSO points given for working members of the LIQRP and NJ-QRP clubs. Please note that the "X"tra points are for members of LIQRP and NJ-QRP, regardless of your location. Stations may be worked more than once on different bands.

Suggested QRP Frequencies:

1.810, 3.560, 7.040, 14.060, 21.060, 28.060.

Exchange:

RST, area code and first name.

QSO points:

5 points for LI/NYC/NJ/MD area codes.

2 points for all other area codes

LIQRP and NJQRP members will exchange area codes with the suffix X indicating they are worth extra QSO points. For example, 559 718X Kevin since I'm in an extra QSO point area code. This will make tallying total points much simpler.

Power Multiplier:

Less than 1 watt x 10

1 to 5 watts x 7

Bonus points:

Portable location, battery operation with temporary antennas: 2,000 points
Battery operation from home location: 1,000 points

Total points:
(QSO points x power multiplier) + bonus points

Certificates will be awarded for the highest overall total score and most
Extra Area Codes (LI/NYC/NJ/MD) worked.

Logs:

Submit logs by December 22nd, 1997 to Kevin N2T0. Submit e-mail messages
with attached text files to kfglynn@prodigy.net or snail mail to:

Kevin F. Glynn
429-73rd Street

Brooklyn, NY 11209

Please include an SASE if you'd like to receive contest results. Results
will be posted to QRP-L, LIQRP and NJ-QRP by year's end. Late entries will
count as check logs.

Good luck to all, and remember, radio and holiday/family do mix!

The Amateur is Balanced...Radio is his/her hobby. He/she never allows it
to interfere with any of the duties he/she owes to his/her home, his/her
job, or his/her community. I think we can do both here! Join us for the
first LI/NJ QRP Doghouse Operation Sprint (LI/NJDOS).

72 Kevin N2T0
Brooklyn, NYC
kfglynn@prodigy.net

72 Kevin N2T0
Brooklyn, NYC
kfglynn@prodigy.net

Date: Thu, 13 Nov 1997 12:37:59 -0500
From: "Kevin F. Glynn" <kfglynn@prodigy.net>
To: "NJ-QRP" <njqrp@njqr.org>, "LIQRP" <liqrp@waterw.com>, "QRP-L" <qrp-
l@Lehigh.EDU>
Subject: [30703] "Border Operations" Theme for QRP to the Field
Message-ID: <199711131737.MAA83090@mailly-int.prodigy.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1

Content-Transfer-Encoding: 7bit

Hi gang,

Maybe I can load up the Verrazano Bridge, the expansion bridge that connects Brooklyn and Staten Island, two boroughs of New York City, and work in the middle of the bridge between the two burroughs.

Or maybe the Outerbridge Crossing or Goethalls Bridge, this way I'd be in NJ and NY. Better yet, hang an inverted-vee off of the Statue of Liberty's torch. This is in NJ, but is "owned" so to speak by NY. Figure that one out.... Or the Queens/Long Island border into Nassau County. I think Brooklyn/Queens, this way I'd be in Kings and Queens counties!

I believe we should only be sending one SPC, that being the one my behind is parked in when I give the exchange, but like Joe says, we have time. Maybe if we get clarification from ARRL and ARCI as many hav suggested.

CU during the QRP to the Field, and hopefully during the LI/NJ-QRP Doghouse Operation Sprint (LI/NJDOS) as well on 22 Nov.

72 Kevin N2TO
Brooklyn, NYC
kfglynn@prodigy.net

Date: Thu, 13 Nov 1997 12:44:49 EST
From: Conway Yee <cyee@bidmc.harvard.edu>
To: <qrp-l@Lehigh.EDU>
Subject: [30703] On the merits of Crazy Glue (from a thread about the Norcal paddle).
Message-ID: <11131997124449.3N139T@email.bidmc.harvard.edu>

Text of message from phelbert@rica.net, 13 Nov 1997, 08:23 AM

>The file edge knurling idea did not work. The magnets are too hard for
>that. I have never had any luck with super glue. Don't know what I've
>done wrong, and it's been years since I've tried the stuff. Any
>comments/suggestions on the stuff?

>

>From the ads, Crazy Glue would work wonderfully if you have a hankering to hang from a beam from a hard hat but from my personal experience, the only thing that crazy glue is good for is to glue your own personal body parts together. I have yet to find a single real application for the stuff. Personally, I use 5 minute epoxy for most applications except for wood where I use aliphatic wood glue.

tnx es 73 de Conway Yee, N2JWQ

Date: Thu, 13 Nov 1997 17:49:24 GMT
From: adams@chuck.dallas.sgi.com (Chuck Adams)
To: qrp-1@Lehigh.EDU
Subject: [30704] Lookup and Long/Lat
Message-ID: <199711131749.RAA06280@chuck.dallas.sgi.com>

Question came up as to how to find out your long/lat in decimal degrees.

I use the lookup command at lookup@qrz.com. Send a message with

lookup call

one per line in the body, please. You will get back something like:

>From lookup@qrz.com Thu Nov 13 15:06:08 1997
Date: Thu, 13 Nov 1997 08:06:09 -0700 (MST)
To: adams
From: QRZ E-MAIL Callsign Server <lookup@qrz.com>
To: adams
Content-Type: text

Subject: Callsign Lookup (Automatic Reply)

Thank you for using the QRZ callsign e-mail server.
Below is the information on the callsign(s) that you requested.

Callsign: K5F0
Name: CHARLES N ADAMS
Addr1: BOX 181150
Addr2: DALLAS TX 752188150
Country: USA
Class: Extra
Effective: 28 Sep 1995
Expires: 19 Apr 1998
Location: 32.844 N 96.701 W Dallas County
Email: adams@sgi.com
Home Page: <http://reality.sgi.com/adams>

and it seems to use the zip code part of the address to get
your long/lat. Must say that it seems to be very very good.
There is a web and email address at qrp.com to update and
give them your email and web page info, if you haven't been
doing this.

For those that have a mailing address miles from the actual
transmitter location, you'll be off a bit.

I see that I need to apply for renewal pretty soon. Everyone
check to make sure you license is current. :-) I saw someone
post that the FCC is now taking renewals via the web. That'll
be neat.

Just some more dweeb stuff on the 'net'.

OK, FYI.

Chuck Adams K5FO CP-60 adams@sgi.com
<http://reality.sgi.com/adams/index.html>

Date: 13 Nov 1997 13:12:04 -0500
From: Glen Leinweber <leinwebe@mcmail.CIS.McMaster.CA>
To: weinfurtner@ouvaxa.cats.ohiou.edu, qrp-l;;
Subject: [30703] Re: IF's, xtal filters & What's at 4.1943 MHz?
Message-ID: <1997Nov13.131204-0500@[130.113.234.7]>

Greg raises a significant point. Don't forget that most of the crystals
we use are specified as "parallel resonant" rather than "series resonant".
That is, most are designed to oscillate at the rated frequency when
loaded with 18 - 30 pF.

The ladder filter designs usually load the crystals with a lot
more capacitance, and will therefore give a filter center frequency
a little above series resonance, but below the printed value.

Where's the series resonant frequency of these crystals?
Usually two to three kilohertz below the printed value.

In <v03110701b090d76f1c33@[132.235.72.186]>, Greg Weinfurtner wrote:

>Dan,

> I built a xcvr using 5 mhz microprocessor crystals as the ssb and cw
>filters. I too, was worried about 5 mhz WWV interfering with the IF. After
>I built the filters, I threw worry out the window. The passband was
>somewhat lower than the 5 mhz listed on the crystals. 4.998mhz or so. I
>used the crystal ladder filter design that was in QST magazine, maybe 10
>years ago. Works great.

>

Date: Thu, 13 Nov 1997 10:14:24 -0800 (PST)
From: Monte Stark <ku7y@sage.dri.edu>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [30704] Re: On the merits of Crazy Glue (from a thread about the Norcal
paddle).
Message-ID: <Pine.SUN.3.90.971113101331.8379B-100000@vortex>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Super glue is working fine on mine!

Just be sure to clean the parts to remove all oils first.

73, Ron, SOWP 5545M,

.....KU7Y.....ARCI #8829.....Monte "Ron" Stark.....
....ku7y@sage.dri.edu.....Washoe Lake, Nevada....
....QRP-L #17...ARS #49...NorCal #330.....NRA LIFE.....

Date: Thu, 13 Nov 1997 13:34:33 -0500
From: Ed Tanton <n4xy@bellsouth.net>
To: cyee@bidmc.harvard.edu
Cc: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [30705] Re: On the merits of Crazy Glue (from a thread about the
Norcal paddle).
Message-ID: <3.0.1.32.19971113133433.00b67680@mail.atl.bellsouth.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Under some circumstances, alpha-cyanoacrilate gels are a good-and sometimes only-way to build up a surface. You apply the gel and then spray it with an accelerator. It will instantly harden, and additional layers can then be applied. The only *really* good use for it-in my book-is for situations where you really want two appropriate materials joined, but must depend on a wicking action because of their close spacing. I once had an antenna mount that could be rotated if you loosened a large allen head screw. Well, NOTHING would keep that boy from coming loose with road vibration/etc. I finally made it non-rotating (never did tilt it over anyway-at least not intentionally) by filling and building with 'thick' super glue and accelerator. Stayed put 'til I gave the vehicle to my son.

Otherwise, I'm with you Conway... and most often use a 5-MIN GEL Epoxy... doesn't run as it heats up curing. There are-I believe-differing characteristics for alpha-cyanoacrilates vs epoxies that recommend them to applications... I think involving shear strength and various degrees of brittleness/hardness, but since nothing I do (anymore) matters beyond my own concerns, I generally just use what I think best for the job at hand, and don't worry about sheer strength and the like!

P.S. I used to have to sneak the 5-MIN epoxy in the building-the QC guy would go ballistic when he'd learn I had any around!!! My area was R & D, but-at the time-DEVCON had not been MIL/NASA-approved and it was his fear-and rightfully so-that someone in production, knowing it was there, would swipe some for a quick fix sometime-and blow a piece of spacecraft or whatever when they-inevitably-found out. Fortunately it DID get approved, for exhorbitant sums per little pack . By the way, THE best epoxy we had at the time (late 70's/early 80's) was Scotchweld. Not 5-MIN, but great stuff!!!

72/73 ZUT!!!

Ed Tanton N4XY EMAIL: n4xy@bellsouth.net
189 Pioneer Trail
Marietta, GA 30068-3466 TEL: (770)579-3933 V/MBX/FAX

"Think you can, think you can't: either way you're right!" Henry Ford

Date: Thu, 13 Nov 1997 13:46:05
From: Steven Weber <kd1jv@moose.ncia.net>
To: qrp-l@Lehigh.EDU
Subject: [30705] NOVA-586
Message-ID: <3.0.1.16.19971113134605.21ff09f6@mailhost.ncia.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Anyone ever hear of or use this program? (NOVA-586)

A friend of mine sent me a copy some time ago, and with all this talk of Spice, finally decided to load it in a try it out. It's a circuit analysis program which uses two port "S" parameters for componet models. Apparently, any electronic part that can be measured can be described with four "S" parameters.

The main purpose of this program seems to be to give a frequency response of a circuit. It is particularly useful for seeing the response of filters and tweaking the values to give what you want. But it can also show you the response of an active circuit. I typed in the node connections for my cascode amplifier used in the 2N2 receiver, and got a nice graph of the response, with the gain vs frequency. What's really neat is that you can then change the values of the components and see the effect on the graph, on the fly. Can even give you a Smith chart.

The only problem is that it does not tell you anything about the transistor biasing. It can't tell you what the currents are and so forth. Changing the bias resistor values doesn't seem to affect the frequency plot much, if any. For that I guess you would need to use Spice.

All in all a neat program, runs fast and will work on any machine from a 8088 to Pentium. (DOS based, no mouse operations)

The manual says it can be freely copied and distributed. Unfortunately, I don't know where you can find a copy, so don't bother asking me. A web search should turn up a site or two where it's been posted. If you know or find out, please let us all know. Thanks.

BTW, I've never used SPice and know nothing about it.

72,

Steve, KD1JV....In the White Mountains of New Hampshire

"Melt Solder"

Date: Thu, 13 Nov 1997 13:49:21 -0500
From: "Christopher Moore" <christopher.moore@snet.net>
To: <qrp-1@Lehigh.EDU>
Subject: [30705] Norcal Paddle operation
Message-ID: <199711131853.NAA23393@midfire5.aetna.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit

Gang:

Seen many helpful hints about putting the kit together. How does it perform on the air?

72 Chris W1GM

Date: Thu, 13 Nov 1997 14:38:50 -0500
From: Zack Lau <zlau@arrl.org>
To: qrp-1@Lehigh.EDU
Subject: [30705] W1VT/KH6 15M operation
Message-ID: <346B574A.3DDF@arrl.org>
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

I'll be bringing my HW-9 to Hawaii to try some two-way QRP contacts. Best bet will probably be 15 meters on Nov 22, 23, 28, 29, and 30th for those of you in North America. (roughly 1800Z to 2300Z) I'll try to set up an antenna that will either take advantage of excellent salt water conductivity (Sand Island?) or favorable ground slope. I'll also run 20M from my parents home on the south side of a mountain ridge. QSL via the Newington address, just like those contacts from Vermont--Zack W1VT zlau@arrl.org

Date: Thu, 13 Nov 1997 13:46:26 -0600
From: Lynn Simons <lsimons1@ix.netcom.com>
To: dhlauten@juno.com
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [30706] Re: Fox N/T+ UPGRADE
Message-ID: <346B5912.B444A579@ix.netcom.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

David H. Lauten wrote:

> Thanks for all the help and encouragement, this past Saturday, Nov 8,
> I
> upgraded to KF4HAW/AG.
>
> Thanks for all who worked me during the foxhunts. I will miss serving
> as
> a fox, but look forward to the hunt as a hound.
>
> Since I have upgraded I will not be the N/T+ Fox on Nov 18, Dec 9, and

>
> Dec 16 as the schedule states.
>
> 72 de David, KF4HAW/AG

Hi David,

Congradulations on your upgrade! I know you are proud. It's a great accomplishment! Looking forward to hearing you on the hunt for the general+ foxes now! You did a great job.

73/72,

Lynn, KJ3V

Date: Thu, 13 Nov 1997 9:34:00 -0600
From: Bob Tellefsen-CNSE97 <Bob_Tellefsen-CNSE97@email.mot.com>
To: ruswhite@netzone.com
Cc: qrp-1@Lehigh.EDU
Subject: [30707] ARD
Message-ID: <M2229647.005.1p6j4.1.971113200620Z.CC-MAIL*/OU=LMPCC4/OU=ILBB/PRMD=MOT/ADMD=MOT/C=US/@MHS>

Russ:

I have ARD and use it a lot, particularly with passive circuits such as audio and rf filters. Haven't done much with active devices yet. It doesn't have a library of component specifications such as you find in more expensive SPICE programs.

I'm exploring several different SPICE demo programs to see how they might work out for active device designs. I understand a lot of SPICE libraries are out there, it's just a matter of finding the one or ones you need.

73, Bob N6WG

Date: Thu, 13 Nov 1997 12:52:52 -0700
From: Steve Galchutt <n0tu@webaccess.net>
To: "\"Low Power Amateur Radio Discussion\"" <qrp-1@Lehigh.EDU>
Subject: [30708] QRP/mobile ...surprised it works!

Message-ID: <346B5A94.201A@webaccess.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

I recently moved from town and now commute about 25 minutes to work depending on wx and traffic. I decided to throw the SST into the vehicle using a hamstick... thinking I would just do some monitoring and build my code speed. I heard a very loud stn (ac6to in Fresno.CA) on the Fists fq calling CQ and I decided to answer him...he came back to give me a 579!! WOW!! I couldn't believe it. Either could he when I told him I was running 1.5w into a hamstick. Then, this morning I worked the east coast w/229 rpt... more what I expected. The CA contact was during the time just before the band started to close. Anyway I'm really surprised what can be done w/mobile QRP and minimal antennas. What a sweet lil' rig that SST is!!! I know I have bad QRN in my car but that SST filter really kills alot of it. Now it I can get 5w out of it!?

.....Steve > n0tu . .
email:N0TU@webaccess.net
homepage <<http://www.webaccess.net/~S&P>>

Date: Thu, 13 Nov 1997 14:59:54 -0500 (EST)
From: Jim Eshleman <lujce@hooch.CC.Lehigh.EDU>
To: adams@chuck.dallas.sgi.com
Cc: qrp-l@Lehigh.EDU
Subject: [30709] Re: Lookup and Long/Lat
Message-ID: <97Nov13.150005-0500_est.10421-12710+2@hooch.cc.Lehigh.EDU>
Content-Type: text

> Question came up as to how to find out your long/lat in
> decimal degrees.

FCC_CALL has been reworked to provide lat/long and more, for DX calls too finally. Send a command, in the body of an e-mail, to listserv@Lehigh.EDU:

RUN QRP-L X FCC_CALL K5FO

and you should get something like so:

K5FO:

Charles N. Adams
Box 181150

Dallas, TX 75218-8150

QRP-L Member Number: 1

Country of License: USA
License Class: Extra
License Issue/Renewal Date: 09/28/1995
License Expiration Date: 04/19/1998
Birth Date: 09/26/1942
Email Address: adams@chuck.dallas.sgi.com

Latitude: 32.84
Longitude: -96.70
Grid Square: EM12PU
County: Dallas
Hours +/- GMT: -6
Area Code: 214

Date: Thu, 13 Nov 97 20:23:08
From: "Larry Wise KA5T" <lewise@inetport.com>
To: "qrp" <qrp-l@Lehigh.EDU>
Subject: [30710] Re: "Border Operations" Theme for QRP to the Field
Message-ID: <199711132035.0AA28058@admin.inetport.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: 7bit

Gang:
This is one case where you skinny fellers lose out....
Some of us have the 'where with all' to cover 2, 3 or even
four states at the border..... :-)

Larry KA5T

On Thu, 13 Nov 1997 12:37:59 -0500, Kevin F. Glynn wrote:

>Hi gang,
>
>...
>
>I believe we should only be sending one SPC, that being the one my behind
>is parked in when I give the exchange, but like Joe says, we have time.
>Maybe if we get clarification from ARRL and ARCI as many hav suggested.
>

....

Date: Thu, 13 Nov 1997 13:55:38 -0700
From: "Steve Hurst" <shurst@magiclink.com>
To: <lewise@inetport.com>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [30711] Re: "Border Operations" Theme for QRP to the Field
Message-ID: <199711132054.PAA151516@nss4.cc.Lehigh.EDU>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit

>
> Gang:
> This is one case where you skinny fellers lose out....
> Some of us have the 'where with all' to cover 2, 3 or even
> four states at the border..... :-)
>
> Larry KA5T

HAAAAHAAA H0000H0000 HEEEE HEEEEEEEEEE HAAAAH0000

HEEEEEHEHHHEEEEEeEEEEEEEEEEEE

(rolling on the shack floor busting up scaring my QRP dog to death !!!!!!!
Now he knows I'm crazy and he's gonna die for sure !!!!!!!!!!!!!)

:-)

73
Steve
KA7NOC & "Spike the killer "Chee Wa Wa" !!!!!
dklrje578ncaweriot79

<http://www.magiclink.com/web/shurst>
NorCal 38 Special (stocker)
MK-22'er

Benchner BY-2
K8FF/NorCal Paddle (working on it !!!!!)
TS-430S (can go QRP !!)
misc. Icom HT's VHF/UHF stuff (again QRP)
WPC CK-1 (great clock !)
new house
ten acres
small dog
YL (not an X yet !!!!)
and a beautiful sunny day !!!!!!!
di dit.....

Date: Thu, 13 Nov 1997 14:00:20 -0700
From: torell@sicom.com (Kent Torell)
To: qrp-1@Lehigh.EDU
Subject: [30712] PROP: thanksgiving weekend
Message-ID: <v02130501b091198bf9ba@[192.91.202.41]>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Most future prop estimates are based on the past 28 or so days. Sho' nuff, the spots that caused all the nice 10 meter activity a few weeks ago are predicted to come around again over thanksgiving weekend. Flux predictions are over 100! Then again, they may be gone altogether then, but the spot collection was pretty stable, so we have a better than even chance of nice prop over the holidays :-)
Should be real good for getting Zack on Hawaii on 15 meters!

:Product: 27-day Outlook outlook.txt
:Issued: 1997 Nov 12 2211 UT
Prepared by the U.S. Dept. of Commerce, NOAA, Space Environment Center
For a descriptive text, write to SEC or refer to our Web page.
Web page URL: <http://www.sec.noaa.gov/wwire.html>

Twenty-seven Day Space Weather Outlook Table
Issued 1997 Nov 11

UT Radio Flux Planetary Largest
Date 10.7 cm A Index Kp Index
1997 Nov 12 82 5 2

-- same prediction deleted --

1997 Nov 21	82	15	3
1997 Nov 22	84	15	3
1997 Nov 23	88	13	3
1997 Nov 24	92	10	3
1997 Nov 25	96	8	3
1997 Nov 26	100	8	3
1997 Nov 27	104	5	2
1997 Nov 28	108	5	2
1997 Nov 29	110	5	2
1997 Nov 30	110	8	3
1997 Dec 01	108	10	3
1997 Dec 02	104	10	3
1997 Dec 03	100	15	3
1997 Dec 04	96	15	3
1997 Dec 05	92	10	3
1997 Dec 06	88	8	3
1997 Dec 07	84	8	3
1997 Dec 08	82	8	3

Kent Torell torell@sicom.com 602-607-4852
SICOM 7585 E. Redfield, #202 Scottsdale, AZ 85260
AB70A scQRPion 6,qrp-l 57,ARCI 9075 DM33xn 33.55 N 112.078 W

Date: Thu, 13 Nov 1997 16:53:30
From: Steven Weber <kd1jv@moose.ncia.net>
To: qrp-l@Lehigh.EDU
Subject: [30713] Re: Re[2]: What's at 4.1943 MHz?
Message-ID: <3.0.1.16.19971113165330.2bff76e2@mailhost.ncia.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Howdy,

I like to use 4.433Mhz, the Eoupean color burst frequency. It seems to be clear of high power broadcasters (probably so it woun't screw up TV sets) and it's easy to make a tight filter there (too tight some times) plus, its readily available.

72,
Steve, KD1JV....In the White Mountains of New Hampshire

"Melt Solder"

Date: Thu, 13 Nov 1997 16:58:17 -0500 (EST)
From: SNickrand@aol.com
To: qrp-1@Lehigh.EDU
Subject: [30714] 73 Magazine
Message-ID: <971113165816_-1743691447@mrin43.mail.aol.com>

I just recieved my 73 magazine. Seems like it's getting later and later.
The last issue, I saw on the newstand 2-3 weeks before it arrived at my house. Anyone else seeing the same thing or have you received the November issue alot earlier than me. Just wondering. Also, where is the "annual" QRP issue. Seems like the magazine has gone downhill over the past 5 months or so. Bill

Date: Thu, 13 Nov 1997 16:24:38 -0600
From: Roger Whitaker <k9ljb@iname.com>
To: qrp-1@Lehigh.EDU
Subject: [30715] Re: QRP/mobile ...surprised it works!
Message-ID: <346B7E21.8AD978EC@iname.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Yes, Steve, you bet that QRP mobile works. I have been using the MFJ 9020 and 9030 with various antennae for several years now and have a ball with it. On 20 I have worked Japan as well as Europe and South America and, of course, a lot of good stateside ragchews. I have used the hamstick, the Ten-Tech whips, but now use a Hustler with the short, 22", mast for a total antenna height of about 50". The antenna is mounted on a home made stainless steel trunk lip bracket with a ball mount. (The Hustler ones didn't hold up for me.) The paddles I use are the Nye Viking ones which I selected for durability rather than feel. they have held up very well and are tie-wrapped to the ashtray lid on the center console of the 95 Monte Carlo company car. Company car, of course, means no holes. Stay with it, it will amaze you and the folks you QSO.

72 73

--
Roger B. Whitaker K9LJB

"It is far better for man to laugh at life than to lament over it."
---Seneca, 4 BCE--65 CE

Home page: <http://www.cityscape.net/~whitaker/>

Date: Thu, 13 Nov 1997 22:51:39 +0000
From: Sandy W5TVW <ebjr@worldnet.att.net>
To: qrp-1@Lehigh.EDU
Subject: [30716] FCC Part 15?
Message-ID: <19971113225133.AAC17281@LOCALNAME>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Can anyone tell me if the FCC has part 15 on file at their
web site? Trying to find ANYTHING on a "gov" website is like
looking for needles in haystacks!

73,

E. V. Sandy Blaize, W5TVW

"Boat Anchors collected, restored, repaired, traded and used!"

417 Ridgewood Drive

Metairie, LA., 70001

860 Hartley 'ECO' under construction**
*** Looking for a TRC-10 transceiver *****
*** looking for an RAL receiver *****

Date: Thu, 13 Nov 1997 15:19:38 +0000
From: rfarnworth@brigadoon.com
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [30717] FS: Digitrex MPX Transceiver Kit
Message-ID: <199711132320.PAA11997@everest.brigadoon.com>
MIME-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7BIT

I have one MPX kit for sale. It is a brand new kit (1991), never
having a soldering iron touch the pcb or the components. The MPX is
a mini multiband transceiver. CW/Phone(DSB suppressed carrier), Eight
bands, 80-10 meters including WARC, power output adjustable up to 15

watts output, band change at the touch of a button, DC receiver, 6 Digit Digital Readout, 2"H x 8"W x 6"D. The kit requires an individual with an extensive kit building background, as well as a doctorate in electronics, hi. Digitrex had a limited production of MPX kits, just prior to going out of business.

Best offer over \$182.95 (what I have in it) by NOV 20, 1997.

72 de BOB WU7F

Date: Thu, 13 Nov 1997 17:39:34 -0600
From: charlie <crc@io.com>
To: qrp-l <qrp-l@Lehigh.EDU>
Subject: [30718] good day sunshine
Message-ID: <346B8FB6.2CDD@io.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

What A day,went to the mail box got Qrp-l,a letter with 22-2n2222S,sprat,and 73 mag and a bill from am-express telling me I overpaid them \$12.32 so have a credit balance.Oh be still my beating heart. With this kind of day where is that fox???

--

charlie crouchet WA5KRF a little cw never hurt anybody
qrp-l #1207
a-qrp #2 1/2 Argonaut 509;micronaut;MRX-40;Pixie2
g qrp #9817

Date: Thu, 13 Nov 1997 15:59:06 -0700
From: "Michael Fletcher" <kl7ixi@mailcity.com>
To: qrp-l@Lehigh.EDU
Subject: [30718] QRPP mailing
Message-ID: <HHACIAJIHKIJBA AAA@mailcity.com>
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

What's wrong with this picture?

Folks in Texas and on the east coast getting their copy of QRPP before a new member
only 590 miles to the north of Sacramento?

Aren't new subscribers supposed to be added to the start of the mailing list so they can immediately see what they spent their money on?

Where's my copy???

72,
Mike KL7IXI
impatient in
the Northwest

Get your free and private web-based e-mail from our new partner at <http://www.mailexcite.com>

End of QRP-L Digest 908

